

## LOCAL AREA NETWORK VEHICULAR ADAPTER

### ABSTRACT OF THE DISCLOSURE

A vehicular adapter system is described having wireless local area network (WLAN) capabilities. The adapter system includes an adapter configured to plug into a cigarette lighter socket of a vehicle. The adapter has a WLAN module contained  
5 therein, and is configured to electrically couple the WLAN module to a wireless communication device. The WLAN module is operable to communicate with other WLAN-enabled devices in the vehicle, such as a head unit with another embedded WLAN module. The interoperability of the WLAN modules provide hands-free audio operation of a radiotelephone that is not WLAN-enabled using existing  
10 vehicular audio transducers.